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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,009	06/15/2005	Junkoo Kang	Q88253	7397
65565 SUGHRUE-26	7590 05/04/2007		EXAM	INER
2100 PENNSY	LVANIA AVE. NW		CUEVAS, PEDRO J	
WASHINGTO	N, DC 20037-3213		ART UNIT	PAPER NUMBER
			2834	
			MAIL DATE	DELIVERY MODE
			05/04/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)	
	10/539,009	KANG ET AL.	•
Office Action Summary	Examiner	Art Unit	
	Pedro J. Cuevas	2834	•
The MAILING DATE of this communication	appears on the cover sheet w		ress
Period for Reply		· · · · · · · · · · · · · · · · · · ·	
A SHORTENED STATUTORY PERIOD FOR REI WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNI 1.136(a). In no event, however, may a lod will apply and will expire SIX (6) MOI tute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this con BANDONED (35 U.S.C. § 133).	
Status		,	,
1) Responsive to communication(s) filed on 15	5 June 2005.		l
	his action is non-final.	· ·	
3) Since this application is in condition for allow	wance except for formal mat	ters, prosecution as to the	merits is
closed in accordance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.[D. 11, 453 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>1-16</u> is/are pending in the applicati	on.		
4a) Of the above claim(s) is/are without		·	•
5) Claim(s) is/are allowed.			
6) Claim(s) is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) <u>1-16</u> are subject to restriction and/	or election requirement.		-
Application Papers			
9) The specification is objected to by the Exam	iner.	•	
10) The drawing(s) filed on is/are: a) a		by the Examiner.	
Applicant may not request that any objection to t			
Replacement drawing sheet(s) including the corr	ection is required if the drawing	g(s) is objected to. See 37 CFF	₹ 1.121(d).
11)☐ The oath or declaration is objected to by the	Examiner. Note the attache	d Office Action or form PTC	D-152.
Priority under 35 U.S.C. § 119		•	
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of:	ign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
1. Certified copies of the priority docume	ents have been received.		
2. Certified copies of the priority docume		Application No	
3. Copies of the certified copies of the p	riority documents have beer		tage
application from the International Bur			
* See the attached detailed Office action for a l	ist of the certified copies not	received.	
Attachment(s)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413) s)/Mail Date	
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of I	nformal Patent Application	
Paper No(s)/Mail Date	6)	.	

DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1, 3-4, 7-8, 10-11 and 14, drawn to a power generation system and a control method of a power generator.

Group II, claim(s) 2, 5-6, 9, 12-13 and 15-16, drawn to a power generation system and a control method of a power generator.

2. The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

Group I requires an induced voltage detector for detecting an induced voltage from two-phase current and the two phase voltage calculated by the three-two phase converter; and

Group II requires a rotor magnetic-flux detector for detecting rotor magnetic flux from the two-phase current and the two-phase voltage calculated by the three-two phase converter.

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3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro J. Cuevas whose telephone number is (571) 272-2021. The examiner can normally be reached on M-F from 8:30 - 6:00.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571) 272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Pedro J. Cuevas April 24, 2007

> DARREN SCHUBERG SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800